Roberto Naldi

List of Publications by Year
in descending order

19 papers	835 citations	14 h-index (623734)	19 g-index (794594)
19 all docs	19 docs citations	19 times ranked	656 citing authors

#	Article	IF	Citations
1	Experimental analysis of a pulse tube based new prototype for cells cryopreservation. International Journal of Energy Research, 2020, 44, 5905-5916.	4.5	5
2	Nonlinear control of a tethered UAV: The taut cable case. Automatica, 2017, 78, 174-184.	5.0	32
3	Control of Fully Actuated Unmanned Aerial Vehicles with Actuator Saturation * *This research has been funded by the Mandats dâ€™Impulsion Scientific â€Optimization-free Control of Nonlinear Systems subject to Constraintsâ€•of the Fonds de la Recherche Scientifique (FNRS), Ref. F452617F.. IFAC-PapersOnLine, 2017, 50, 12715-12720.	0.9	17
4	Sufficient conditions for the stability of a class of second order systems. Systems and Control Letters, 2015, 84, 1-6.	2.3	3
5	Modeling and Control of a Class of Modular Aerial Robots Combining Under Actuated and Fully Actuated Behavior. IEEE Transactions on Control Systems Technology, 2015, 23, 1869-1885.	5.2	31
6	A Prototype of Ducted-Fan Aerial Robot with Redundant Control Surfaces. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 76, 137-150.	3.4	9
7	Generalized Traveling Salesman Problem for Carrier-Vehicle Systems. Journal of Guidance, Control, and Dynamics, 2014, 37, 766-774.	2.8	23
8	Developing an Aerial Manipulator Prototype: Physical Interaction with the Environment. IEEE Robotics and Automation Magazine, 2014, 21, 41-50.	2.0	129
9	Highâ€gain output feedback for a miniature UAV. International Journal of Robust and Nonlinear Control, 2014, 24, 1104-1126.	3.7	14
10	A hybrid model for the play hysteresis operator. Physica B: Condensed Matter, 2013, 430, 95-98.	2.7	8
11	Passivity-based control for hybrid systems with applications to mechanical systems exhibiting impacts. Automatica, 2013, 49, 1104-1116.	5.0	38
12	Robust control of transition maneuvers for a class of V/STOL aircraft. Automatica, 2013, 49, 1693-1704.	5.0	20
13	Modelling and control of a flying robot interacting with the environment. Automatica, 2011, 47, 2571-2583.	5.0	95
14	Optimal transition maneuvers for a class of V/STOL aircraft. Automatica, 2011, 47, 870-879.	5.0	62
15	Traveling Salesman Problem for a Class of Carrier-Vehicle Systems. Journal of Guidance, Control, and Dynamics, 2011, 34, 1272-1276.	2.8	24
16	Switching control laws in the presence of measurement noise. Systems and Control Letters, 2010, 59, 353-364.	2.3	7
17	Design and experimental validation of a nonlinear control law for a ducted-fan miniature aerial vehicle. Control Engineering Practice, 2010, 18, 747-760.	5.5	93
18	Aggressive control of helicopters in presence of parametric and dynamical uncertainties. Mechatronics, 2008, 18, 381-389.	3.3	39

#	Article	IF	Citations
19	Robust full degree-of-freedom tracking control of a helicopter. Automatica, 2007, 43, 1909-1920.	5.0	186